MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER, 1933

J. A. BROWN, DIRECTOR

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NOVEMBER 1933
METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm. +...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.2	62.2	62.9	62.8	26.6	20.6	23.8	25.0	22.1	23.6
2	5.1	4.6	5.1	4.9	24.8	20.1	22.8	24.3	20.3	22.5
3	5.4	4.6	4.7	4.9	24.3	18.8	21.7	23.8	21.2	22.2
4	4.6	3.6	3.6	3.9	25.4	19.6	23.7	23.8	22.7	23.4
5	3.5	2.4	3.0	3.0	26.2	19.6	23.8	25.1	21.0	23.3
6	64.3	63.7	64.1	64.0	25.4	20.0	23.1	24.1	21.2	22.8
7	5.1	3.4	4.1	4.2	24.7	19.3	22.4	23.2	20.7	22.1
8	4.4	2.5	3.8	3.9	25.0	19.1	22.8	23.9	20.8	22.5
9	4.4	3.4	3.7	3.8	25.8	19.4	23.7	24.5	21.4	23.2
10	3.9	3.0	3.4	3.4	26.0	21.1	24.9	24.2	21.5	23.5
11	62.5	62.0	61.7	62.1	26.4	20.7	24.0	25.8	23.2	23.7
12	2.2	2.3	2.7	2.4	25.1	20.1	23.3	24.1	19.8	22.4
13	3.6	2.6	3.2	3.1	24.4	18.3	21.9	23.9	20.1	22.0
14	3.0	2.1	2.3	2.5	24.6	18.3	23.2	23.2	22.6	23.0
15	2.9	1.3	1.8	1.7	26.9	19.9	23.1	24.6	21.7	23.1
16	62.4	62.0	62.9	62.4	27.6	21.1	24.7	26.8	21.4	24.3
17	4.0	4.1	0.9	3.0	26.6	20.4	23.2	26.7	21.1	23.7
18	3.2	1.4	1.3	2.0	24.4	18.1	22.6	22.8	22.6	22.7
19	0.5	59.5	59.6	59.9	23.6	18.1	21.8	23.0	19.5	21.4
20	0.8	60.0	60.5	60.4	23.1	16.9	20.4	22.5	21.1	21.3
21	61.2	60.7	61.4	61.1	23.6	20.2	21.5	21.9	20.9	21.4
22	3.6	2.8	2.9	3.1	19.3	18.3	18.7	18.5	17.4	18.2
23	4.3	3.4	4.7	4.1	19.3	13.8	17.6	18.3	15.7	17.2
24	4.3	2.7	2.8	3.3	19.7	14.0	18.2	18.3	16.5	17.7
25	59.4	58.6	59.8	59.3	24.1	16.4	20.0	23.8	21.4	21.7
26	63.1	63.3	64.6	63.7	21.7	16.9	18.2	20.4	17.3	18.6
27	5.0	3.7	3.7	4.1	20.6	15.1	18.3	19.7	16.9	18.3
28	2.8	0.1	59.2	0.7	20.6	15.6	17.6	19.7	18.4	18.6
29	58.6	57.6	8.9	58 4	20.7	15.6	17.0	19.2	15.5	17.2
30	61.6	61.4	63.1	62.0	17.3	14.2	15.9	16.3	12.6	14.9
	763.08	762.20	762.54	762.63	23.79	18.32	21.46	22.65	19.95	21.35

Barometer, range for month 757.6 –765.4 mm.
„ 50-yr. average for month 762.865 mm.
Thermometer, Range for month 13.8° C—26.9° C.
„ 50-yr. average for month 19.68° C.
Rain, total for month 14.23 m.m.
„ , 50-yr average for month 135.13 mm.
„ , total, Sept. 1st to end of month 94.778 mm.
„ , 50-yr. average, Sept. 1st to end of month 195.08 mm.

NOVEMBER 1933
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	20.3	21.3	18.4	15.2	16.0	13.3	14.8	69	68	67	68	8.5	
2	20.8	21.3	19.4	16.6	16.6	16.1	16.4	80	74	90	81	9.2	
3	20.3	21.5	20.6	16.5	17.3	17.5	17.1	86	78	93	86	7.0	
4	19.9	20.7	21.9	14.5	15.9	18.9	16.4	66	72	92	77	9.5	
5	19.2	17.2	19.3	13.5	10.2	15.4	13.0	60	44	83	62	7.8	
6	17.4	20.3	20.1	11.4	15.0	16.5	14.3	55	67	88	70	10.0	
7	18.9	19.4	19.4	13.8	14.1	15.7	14.5	68	67	86	74	6.5	
8	19.8	20.4	15.7	15.1	15.4	10.3	13.6	73	69	56	66	9.5	
9	17.6	21.8	14.9	11.3	17.3	9.1	12.7	52	76	47	58	9.0	
10	19.7	22.2	20.5	13.5	18.3	17.1	16.3	59	81	89	76	5.8	
11	20.4	21.1	20.9	15.2	16.5	16.6	16.1	68	75	79	74	7.5	
12	16.9	22.1	17.6	10.6	18.2	13.4	14.1	50	82	78	70	8.5	
13	17.3	20.4	18.3	11.8	15.3	14.3	13.8	60	69	82	70	9.0	
14	18.2	18.8	20.3	12.4	13.3	16.0	13.9	59	63	79	67	8.3	
15	19.5	23.2	19.3	14.3	17.9	14.8	15.7	68	78	76	74	6.5	
16	21.0	21.1	18.1	15.8	14.5	13.2	14.5	68	55	69	64	5.5	
17	16.5	26.6	20.8	10.2	25.6	17.8	17.9	48	98	95	80	8.5	
18	19.7	20.2	19.6	14.9	15.7	14.7	15.1	73	76	73	74	9.5	
19	19.1	20.6	18.4	14.4	16.3	14.9	15.2	74	78	83	80	7.2	
20	16.3	20.1	18.6	11.5	15.6	14.1	13.7	63	77	75	72	8.0	
21	17.6	18.6	17.3	12.3	13.7	12.2	12.8	65	69	67	67	8.0	
22	12.9	13.0	12.1	8.1	8.3	7.7	8.0	50	52	53	52	7.5	
23	11.9	12.8	10.8	7.5	8.1	7.2	7.6	51	51	55	52	8.0	
24	12.7	13.2	12.7	8.1	8.6	8.8	8.5	52	54	63	56	8.5	
25	15.6	16.8	19.3	10.5	10.2	15.1	11.9	60	47	79	62	6.5	
26	16.4	16.8	15.9	12.7	11.9	12.4	12.3	83	67	85	78	7.0	6.10
27	14.4	16.1	13.8	9.9	11.3	9.9	10.4	64	65	79	67	6.5	
28	13.3	16.4	14.8	8.9	11.8	10.3	10.3	60	69	65	65	0.0	
29	15.5	14.9	13.4	12.1	10.1	10.2	10.8	84	61	78	74	2.5	4 58
30	11 4	11 3	11.1	7.7	7.5	8.9	8 0	57	55	81	64	7.0	3.55
	17.01	15.64	17.44	12.30	14.21	13.41	13.32	64.1	67.9	76.0	69.3	8.09	0.474

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

NOVEMBER 1933
METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1ci	6ci	0	2.3	0	1sw	0	241.4	light	
2	3ci	1ci	1ci	1.6	2ne	1sw	0	471.8	„	
3	5ci	0	0	1.6	0	0	0	71.7	„	dew a.m. dew p.m
4	2ci	0	0	0.6	0	2sw	1sw	239.8	„	dew in p.m.
5	1ci	2ci	4ci	2.3	1w	0	0	48.3	„	„ „ „
6	0	0	0	0.0	1sw	1sw	0	78.0	„	„ „ „
7	0	1ci	2st	1.0	0	1sw	0	117.5	slight	„ „ „
8	0	1st	2st	1.0	1w	1sw	1sw	159.8	light	„ „ a.m.
9	3ci	2ci	0	1.6	0	1sw	1w	178.6	„	fog in a.m.
10	6ci	9stcu	0	5.0	0	0	1w	160.9	„	mist in a.m.
11	9stcu	8ci	0	5.6	0	1sw	1w	217.5	„	mist in a.m.
12	7ci	5ci	0	4.0	0	1sw	0	243.2	„	
13	5ci	7ci	0	4.0	0	0	1sw	92.5	„	
14	2ci	5ci	4ci	3.6	0	2se	2ne	205.5	mod.	mist in the morn.
15	9ci	6ci	0	5.0	0	1s	1w	128.7	light	
16	6ci	6ci	0	4.0	0	1sw	1w	157.7	„	mist a.m., dew p.m
17	7ci	1ci	0	2.6	0	1w	1w	122.3	„	fg. a.m., hv. d. p.m
18	5ci	1ci	0	2.0	0	1sw	1nw	127.1	calm	mist in a.m.
19	1ci	2ci	0	1.0	0	1ne	1w	96.8	light	dew a.m., dew p.m
20	5ci	4cu	4cu	4.3	1sw	2sw	1nw	418.3	„	
21	2cu	10ni	6cu	6.0	3sw	2sw	3sw	409.0	mod.	lightng. p.m. rain tr
22	4ci	0	0	1.3	3sw	5w	3sw	535.4	stormy	(in p.m
23	1ci	0	6ci	2.5	0	3sw	1nw	193.1	mod.	
24	7ci	8cu	4ci	6.3	1w	1nw	1sw	212.4	light	
25	7cu	10ni	10ni	9.0	0	4sw	4sw	436.4	slight	mist a.m., rn. tr. p.m
26	5cu	2cu	0	2.3	3s	1sw	2w	321.9	mod.	(lightng. p.m
27	8ci	8st	6st	7.3	1w	1se	1w	276.2	slight	
28	10stcu	10cu	10stcu	10.0	1sw	1sw	2sw	306.6	calm	mist in a.m.
29	9ni	4cu	10ni	7.6	2w	2nw	1sw	336.4	mod.	
30	3cu	5cu	9ni	5.6	2w	4w	1sw	573.5	stormy	
					22	43	33			
				3.69	0.7	1.4	1.1	239.25		

NUMBER OF DAILY WIND OBSERVATIONS (2 4 3)

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	0	0	1	5	6	0	17	30
14:30	0	1	0	2	1	17	3	2	4	30
20:30	0	1	0	0	0	10	9	3	7	30
Totals	0	3	0	2	2	32	18	5	28	

Number of days with rain 3, fog 16, thunderstorm 1, gale 0.

50-yr average number of days with rain during month 9.8